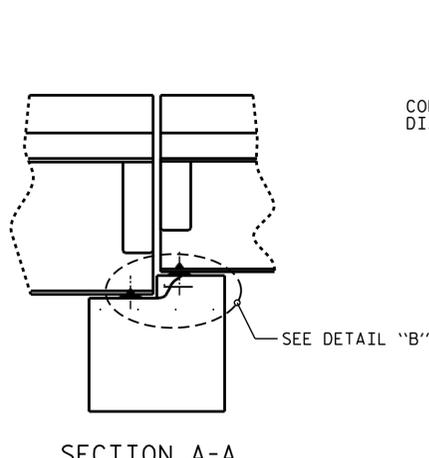
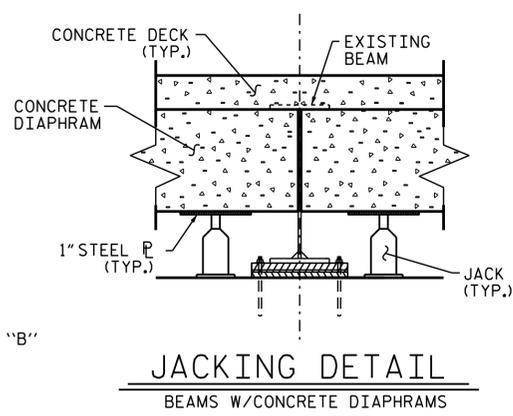


HALF SECTION AT BENT 3
BENT 7 SIMILAR BY ROTATION



SECTION A-A



JACKING DETAIL
BEAMS W/ CONCRETE DIAPHRAMS

GENERAL NOTES:

CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO VERIFY INFORMATION SHOWN ON THESE PLANS AND SHALL OBTAIN ALL OTHER EXISTING BRIDGE DATA NECESSARY FOR THE EXECUTION OF THE WORK.

JACKING PLAN MUST BE ABLE TO SUPPORT DEAD AND LIVE LOAD ON THE BRIDGE, OTHER THAN DURING JACKING OPERATION LOADS MUST ALWAYS BE SUPPORTED ON BLOCKS. A JACKING PLAN SHALL BE SUBMITTED FOR ALL SPANS LIFTED FOR APPROVAL BY THE ENGINEER.

THE CONTRACTOR SHALL MONITOR THE PLAN LOCATION OF THE GIRDERS FROM INITIAL JACKING UNTIL GIRDERS ARE SECURED ON THEIR PERMANENT BEARINGS. IF THE PLAN LOCATION OF THESE GIRDERS SHIFT FROM ITS ORIGINAL POSITION, ALL WORK SHALL CEASE AND THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.

PRIOR TO JACKING THE CONTRACTOR SHALL ENSURE THERE ARE NO OBSTACLES PREVENTING THE SPAN FROM BEING LIFTED. THE MAXIMUM DIFFERENTIAL BETWEEN ADJACENT BEAMS THAT ARE BEING JACKED IS 1/8".

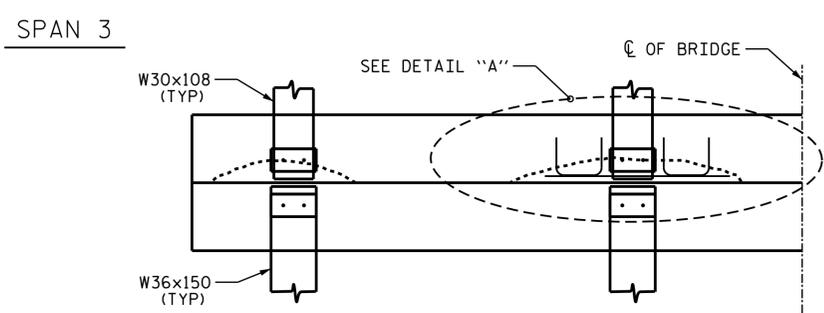
FOR DAMAGED BRIDGE SEAT AREAS, THE EXISTING CONCRETE ON THE STEPPED UP PORTIONS SHALL BE REMOVED TO EXPOSE A VERTICAL FACE FOR THE REPAIRS.

#4 'U' BARS SHALL BE ADHESIVELY ANCHORED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS USING AN NCDOT-APPROVED PRODUCT. FIELD TESTING WILL NOT BE REQUIRED FOR ADHESIVE ANCHORAGE OF #4 'U' BARS. LENGTHS OF EMBEDDED LEGS OF #4 'U' BARS SHALL BE DETERMINED IN THE FIELD TO PROVIDE AT LEAST THE MINIMUM EMBEDMENT RECOMMENDED BY THE ADHESIVE MANUFACTURER OR 6", WHICHEVER IS GREATER.

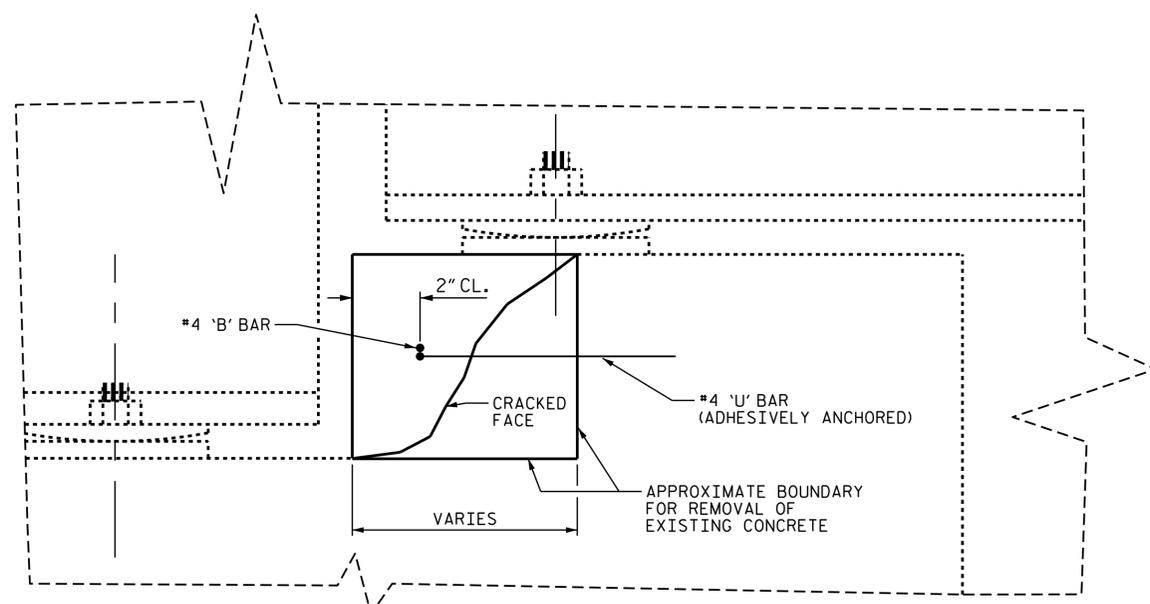
LENGTHS OF #4 'B' BARS SHALL BE DETERMINED IN THE FIELD TO PROVIDE 2" MINIMUM CLEARANCE.

REPAIR CONCRETE SHALL BE HIGH EARLY STRENGTH CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.

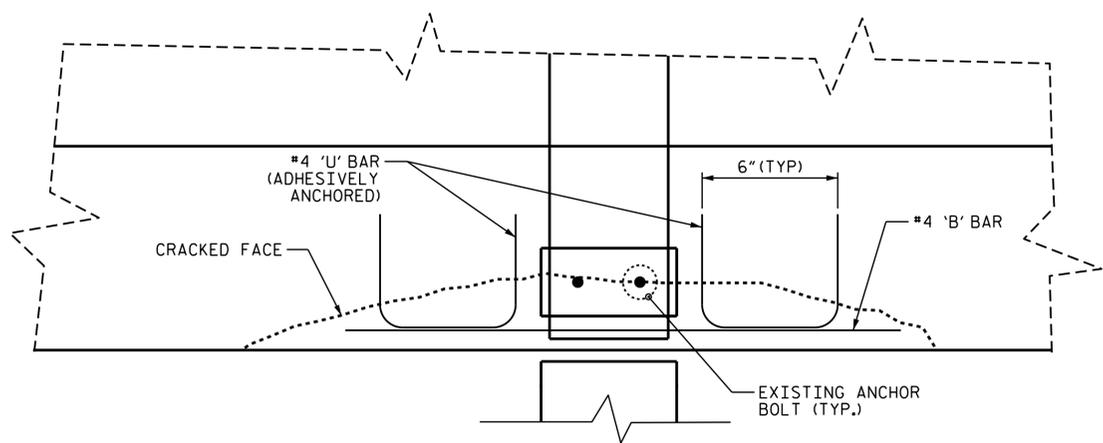
FOR SPAN JACKING, SEE SPECIAL PROVISIONS.



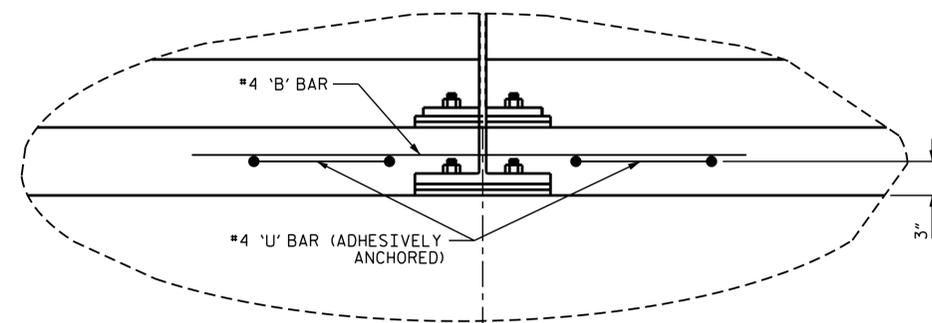
HALF PLAN AT BENT 3
BENT 7 SIMILAR BY ROTATION



DETAIL "B"



DETAIL "A"
PLAN VIEW @ BEAM END



DETAIL "C"

PROJECT NO. 2BPR.10741
PITT COUNTY
BRIDGE NO. 730024



DocuSigned by:
P. Corey Newton
4FF23901A51BA07
11/15/2017

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

**BENT CAP REPAIR
FOR BENTS 3 & 7**

DRAWN BY : Z. MALIK DATE : 11/17
CHECKED BY : P. K. NEWTON DATE : 11/17

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-1
1			3			TOTAL SHEETS
2			4			1